

XP-002244331

AN - 1995-085349 [05]

**AP - [Div ex] JP19860020362 19860131; JP19930253853 19860131; [Div ex]
JP19860020362 19860131; JP19930253853 19860131; [Based on J07010772]**

CPY - FUKO

- MAED-I

- FUKO

DC - B04

FS - CPI

IC - A61K35/78 ; A61K38/55

MC - B04-M01 B14-C03

M1 - [01] M423 M781 M903 P420 V400 V406 V616 V814

PA - (FUKO) FUJI SEIYU KK

- (MAED-I) MAEDA H

- (FUKO) FUJI OIL CO LTD

PN - JP7010772 A 19950113 DW199512 A61K38/55 005pp

- JP7121869B B2 19951225 DW199605 A61K38/55 005pp

PR - JP19860020362 19860131; JP19930253853 19860131

XA - C1995-038768

XIC - A61K-035/78 ; A61K-038/55

XR - 1988-033942 1995-085350

**AB - J07010772 Inhibitor comprises active constituent of soybean Kunitz
type trypsin inhibitor (KTI) or its deriv..**

**- USE/ADVANTAGE - The inhibitor is used for depressing inflammatory
oedema and depressing retention of pleural effusion or ascites due to
cancer.**

**- In an example, prepn. of KTI: soybean whey, obtd. in the process of
mfg. sepd. soybean protein from denatured fat-removed soybean, was
condensed. One volume of the condensed material contg. 5.5% of crude
protein was mixed with 0.5 volume of acetone, and stirred for approx.
1 hr. The material was centrifuged to obtain the supernatant liq.. The
liq. was mixed with 1.5 volume of acetone, and stirred for approx. 1
hr., then centrifuged to obtain ppte. fraction. The fraction was
dialysed to water. The dialysed liq. was mixed with 0.5M sodium
phosphate buffer soln. at amt. of one fiftieth of the liq.. pH was
adjusted to 7.0. The mixt. was passed through DEAE-cellulose
ion-exchange column, then elution liq. having 0-0.4M straight gradient
of table salt concn. was sepd. to respective fractions with a fraction
collector. BBI type trypsin inhibitor rich fraction and KTI rich
fraction were respectively condensed through salting out. BBI type
trypsin inhibitor was further refined. Respective refined prods. were
precipitated at isoelectric point, then dried by freezing to obtain
KTI, and BBI type trypsin inhibitor.(Dwg.0/3)**

**IW - INHIBIT INFLAMMATION OEDEMA COMPRISE ACTIVE CONSTITUENT SOY KUNITZ
TYPE TRYPSIN INHIBIT DERIVATIVE**

**IKW - INHIBIT INFLAMMATION OEDEMA COMPRISE ACTIVE CONSTITUENT SOY KUNITZ
TYPE TRYPSIN INHIBIT DERIVATIVE**

NC - 001

OPD - 1986-01-31

ORD - 1995-01-13

PAW - (FUKO) FUJI SEIYU KK

- (MAED-I) MAEDA H

- (FUKO) FUJI OIL CO LTD

TI - Inhibitor for inflammatory oedema accentuation - comprises active constituent of soybean Kunitz type trypsin inhibitor (deriv.)